

Bush *MF*
5381

Re: Elyria
Detail Plans of Industrial Waste Collection System Modifications
for General Motors Corporation, Fisher Body Division
Plans Received December 15, 1975
From M. A. Husar, Plant Engineer

James A. Rhodes
Governor
Ned E. Williams, P.E.
Director

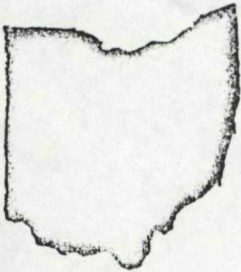
April 20, 1976

General Motors Corporation
Fisher Body Division
P. O. Box 760
Elyria, Ohio 44035

US EPA RECORDS CENTER REGION 5



460033



Gentlemen:

The Ohio Environmental Protection Agency has reviewed the plans submitted pursuant to Ohio Revised Code Chapter 6111. These plans are approved subject to the condition of compliance with all applicable laws, rules, regulations and standards. Further, all construction must be supervised by an engineer or expert qualified in such work.

This approval shall apply only to those facilities shown on the plans cited above.

The proposed facility may be constructed only in accordance with plans approved by the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviation from the approved plans or the above conditions may lead to denial of a discharge permit or other sanctions and penalties provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

Should there be any questions regarding the requirements, meaning or interpretations of any of the above which we may clarify, please contact the appropriate District Office of the Ohio Environmental Protection Agency.

General Motors Corporation
April 20, 1976
Page 2

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code by any person who was a party to this proceeding. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review
Suite 305
395 E. Broad Street
Columbus, Ohio 43216

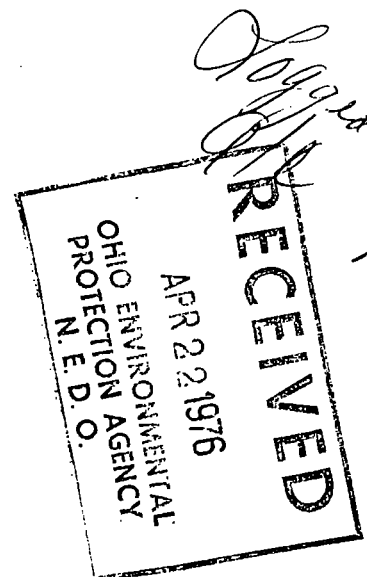
Very truly yours,



Ned E. Williams, P.E.
Director

NEW/bs

Copy to Lorain County Health Department
" " Elyria City Health Department
" " Northeast District Office, Public Wastewater



12/15/75

TYPE (Indicate A, B or C) B

PLAN APPROVAL
WORK SHEET

LOCATION (Show only a or b.)

a) ELYRIA
(city)

b) _____
(county)

(sewer district or township)

PROJECT (same as used on report)

☒ DETAIL
☐ GENERAL
PLANS OF INDUSTRIAL WASTE COLLECTION
(sewage facility, force main, etc.)
SYSTEM MODIFICATIONS

FOR GENERAL MOTORS CORP., FISHER BODY DIV.
(elementary school, etc. - exactly what is being approved)

P.O. Box 760

ELYRIA OHIO 44035

DATE RECEIVED (in District Office) 12-15-75

PLANS RECEIVED FROM

(name)

(title)

ESTIMATED COST \$ 46,000

REVIEWED IN DISTRICT BY William T. Dink DATE 3-25-76

REVIEWED IN ~~COLUMBUS~~ BY W.H. Danks DATE 3-25-76

THIS PROJECT PERTAINS TO - ☐ SEWERS, ☐ WASTEWATER TREATMENT,
☐ WATER SUPPLY, ☒ INDUSTRIAL WASTE,

PLAN APPROVAL DISTRIBUTION SHEET

NAME, ADDRESS	LETTER	REPORT	PLANS	DATA SHEETS
<p>Approval to : (owner)</p> <p>General Motors Corp., Finner Root D.C.</p> <p>owner</p> <p>P.O. Box 760</p> <p>street</p> <p>ELYRIA, OHIO 44035</p> <p>city state zip</p>	X	X		
<p>Copy</p> <p>LORAIN CO. HEALTH DEPT.</p> <p>9380 S. MURRAY RD.</p> <p>ELYRIA, OHIO 44035</p>	X	X		
<p>Copy</p> <p>CITY OF ELYRIA HEALTH DEPT.</p> <p>202 CHESTNUT ST.</p> <p>ELYRIA, OHIO 44035</p>	X	X		
<p>Copy</p>	X			
<p>Copy</p>	X			
<p>District Office (WM&E ; Surv.)</p> <p>(NEDO, NWDO, CDO, SEDO, SWDO)</p>	X			
<p>Central Office (WM&E ; Surv.)</p>	X			

PLAN APPROVAL LETTER

✓ (1) Gentlemen:

The Ohio Environmental Protection Agency has reviewed the plans submitted pursuant to Ohio Revised Code Sections 119 and 6111. These plans are approved subject to the condition of compliance with all applicable laws, rules, regulations and standards. Further, all construction must be supervised by an engineer or expert qualified in such work.

✓ (2) This approval shall apply only to those facilities shown on the plans cited above.

(3) That this approval shall become void _____ 197____ unless the facilities shall be constructed as proposed by that time.

(4) A report, which provides a technical appraisal of the results obtained during normal operating conditions of the new facilities, be submitted to the appropriate District Office of the Ohio Environmental Protection Agency, Division of Waste Management and Engineering no later than three months after the new facilities are placed into operation.

(5) Construction of the wastewater treatment facilities shall be completed and ready for operation before the start of the process which generates the wastewater.

(6) That the terms and conditions of the agreement between _____ and the _____ County Commissioners entered into on the _____ day of _____, 19____, for the creation of a sewer district, supervision of construction, performance bond for completion of work, ownership, and continued operation and maintenance of the wastewater treatment facilities are hereby made a part of this approval.

(7) That the terms and conditions of the agreement between _____ and the _____ City Officials entered into on the _____ day of _____, 19____, for the supervision of construction, performance bond for completion of work, ownership, and continued operation and maintenance of the wastewater treatment facilities are hereby made a part of this approval.

(8) The appropriate District Office of the Ohio Environmental Protection Agency, Division of Waste Management and Engineering shall be notified, in writing, as to (a) the construction starting date (b) the construction completion date and (c) the date the facilities were placed into operation.

PLAN APPROVAL LETTER

- (9) The terms of the agreement for the installation, initial operation, and continued maintenance and operation of the wastewater treatment facilities are hereby made a part of this approval.
- (10) Construction of the wastewater treatment facilities shall be completed before any plumbing fixtures are placed in service.
- (11) The owner shall be responsible for the proper operation and maintenance of the wastewater treatment facilities.
- (12) The owner shall provide for the proper maintenance and operation of the water supply and distribution system.
- (13) The operation of the wastewater treatment facilities shall be under the responsible charge of a certified operator having the proper certificate issued under HE-37-05, Ohio Sanitary Code.
- (14) The operation of the water works shall be under the responsible charge of a certified operator having the proper certificate issued under HE-37-05, Ohio Sanitary Code.
- (15) Provision shall be made for proper operation of the wastewater pumping facilities.
- (16) That sanitary control of the area shall be maintained within a _____ foot radius of each water supply well.
- (17) Necessary measures shall be taken to insure that there shall be no cross connections between the public water supply and any private water supply.
- (18) Sewer and manhole construction and joints shall conform to standards of this department.
- (19) Samples of sand proposed for use in the sludge drying beds shall be acceptable to this department before placing.
- (20) Daily records of operation shall be maintained and submitted to the Ohio Environmental Protection Agency at the end of each month.
- (21) This approval covers treatment facilities to serve an average daily hydraulic flow of no more than _____ gallons.

PLAN APPROVAL LETTERS

- (22) The treatment plant shall be abandoned and the sanitary sewers connected to the public sanitary sewer system whenever such system becomes available.
- (23) The local health department having jurisdiction shall be notified prior to start of construction so that construction of this project can be routinely inspected and approved by the local health department before being placed in operation.
- (24) This approval covers only the sanitary sewers, water supply, and sewage treatment facilities proposed. All other aspects of the proposed projects must be approved by the Ohio Department of Health and/or the local health department.
- (25) Roof drains, foundation drains and other clean water connections to the sanitary sewers shall be prohibited in accordance with legally adopted rules regulating the use of sanitary sewers.
- (26) The temporary treatment plant shall be abandoned when so ordered by the Director of the Ohio Environmental Protection Agency.
- (27) No liquid wastes other than those covered by the approved specifications and plans shall be accepted for disposal without the written approval of the Agency.
- (28) A report on the progress of construction of this project shall be submitted to the appropriate District Office of the Ohio Environmental Protection Agency, Division of Waste Management and Engineering by _____.
- (29) Samples of filtering material proposed for use in the filters shall be acceptable to this Agency before placing.
- (30) Necessary measures will be taken to insure that no customer installs a booster pump that takes suction from any pipe connected to the public water supply system.
- (31) Daily fluoride analyses shall be made of samples of water collected from various points in the distribution system.
- (32) Daily records of fluoride added to the water shall be maintained and submitted to the Ohio Environmental Protection Agency at regular monthly intervals.
- (33) Monthly water samples from the distribution system shall be collected and submitted to the Ohio Department of Health Laboratories for check determinations of fluoride content.

PLAN APPROVAL LETTER

- (34) Before any construction is begun, detail plans, drawn in accordance with these general plans and all regulations of the Ohio Environmental Protection Agency, must be submitted to and approved by the Director. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations.
- (35) The proposed facility may be constructed only in accordance with plans approved by the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviation from the approved plans or the above conditions may lead to denial of a discharge permit or other sanctions and penalties provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.
- ✓(36) Should there be any questions regarding the requirements, meaning or interpretations of any of the above which we may clarify, please contact the Division of Waste Management and Engineering in the appropriate District Office of the Ohio Environmental Protection Agency.
- ✓(37) You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code by any person who was a party to this proceeding. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review
Suite 505
33 North High Street
Columbus, Ohio 43215

Very truly yours,

Ira L. Whitman
Director

PLAN APPROVAL LETTER

- (38) Should there be any questions regarding the requirements, meaning or interpretations of any of the above which we may clarify, please contact the Water Supply Section of the Division of Surveillance in the appropriate District Office of the Ohio Environmental Protection Agency.
- (39) The Water Supply Section of the Division of Surveillance in the appropriate District Office of the Ohio Environmental Protection Agency shall be notified, in writing, as to (a) the construction starting date (b) the construction completion date and (c) the date the facilities were placed into operation.
- (42) This approval covers a water supply to serve _____.
- (43) This approval covers only the water supply facilities proposed. Sanitary waste handling facilities may need a separate approval by the Ohio Environmental Protection Agency. Other aspects of the project may need approval by the Ohio Department of Health and/or the local health department.
- (45) If a Federal construction grant is desired, this approval is contingent upon completion of facilities plans (U.S. EPA Construction Grant Regulations, Section 35.017). If the facilities plans indicate that changes should be made to the plans as herein approved, a resubmittal and approval of the plans as revised will be required.
- (46) The proposed facilities are eligible for Federal funds (Section 35.905-23, Treatment Works).
- (47) The project is of a type which requires facilities planning (treatment facilities, interceptor sewers, sludge disposal facilities, etc.). Local collector lines do not meet this condition.
- (48) The submitted information does not meet all of the facilities planning requirements.
- (49) If a Federal construction grant is desired, it will be necessary to comply with the U.S. EPA Regulations entitled, Construction Grants for Waste Treatment Works (40 CFR, Part 35, Subpart E). If compliance with the construction grant regulations necessitates any revisions to the plans as herein approved, a resubmittal and approval of the plans as revised will be required prior to construction.

3/29/76

REPORT ON INDUSTRIAL WASTEWATER
PLANS FOR GENERAL MOTORS CORPORATION,
FISHER BODY DIVISION, ELYRIA

General

Plans were received in the Northeast District Office on December 15, 1975, in response to the schedule of compliance in NPDES Permit No. S 301 *AD. A Permit to Install was not required. The package was submitted under a cover letter dated December 11, 1975, under the signatures of H. A. Husar, Plant Engineering Department, and J. W. Canan, Plant Engineer. The package consisted of Drawing No. 333 and specifications for Proposal No. M-41, Sheets 19 through 22.

Present Facilities

The above facility, located on State Route 113 in Elyria, is a plating, anodizing, and metal fabrication plant. Existing wastewater treatment practices consist of segregation and batch treatment of chromium and cyanide bearing wastes, pH adjustment, and suspended solids removal. Chemical reduction of hexavalent chromium is attained by using the chroma waste in a wet scrubber for coal-fired, boiler stack gas. The sulfur dioxide in the stack gas acts as a reducing agent for the Cr^{+6} . Sodium bisulfite is also used as a reducing agent when coal is not being burned in sufficient quanti-

ties. The batch cyanide destruction system employs sodium hypochlorite as an oxidizing agent. The batch-treated wastes are then mixed with the remainder of the wastewater, lime, and electrolytes and sent to clarifiers prior to discharge. Clarifier sludge is dewatered in drying beds and buried on the property.

Proposed Facilities

The plans submitted involve minor modifications to the chromium collection system and are part of an ongoing program to improve wastewater segregation. The project involves replacing process sewers, relining trenches, and relocating a sump.

Estimated Cost

The estimated cost of these modifications is \$46,000.00.

Recommendations

Approval is recommended subject to the usual conditions.

William T. Bush, P.E.
District Engineer

WTB/fmk
March 29, 1976